

# Automated Logistics Management Support System (ALMSS)





# The Purpose of ALMSS



U.S. AIR FORCE

Intelligence, Surveillance, Reconnaissance Directorate

ALMSS is a web based integrated wholesale/retail Supply Chain Management (SCM) system which provides a single global logistics view of U-2 aircraft, power plant, sensors, data links, Distributed Common Ground Systems, Associated Support Systems, and Special Project assets managed by the Intelligence Surveillance Reconnaissance Directorate.

ALMSS supports the low density high demand weapon systems SCM environment required by the ISR Directorate to provide global logistics support to the Warfighter.





# Global ALMSS Users



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# ALMSS Capabilities



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## Vendor/Customer Data

- ➔ Names
- ➔ Addresses
- ➔ Locations
- ➔ SRANs & RIDs
- ➔ Communications Routing Data
- ➔ POC Information

## Parts Cataloging Data

- ➔ Common Items, Kit Items and Peculiar Part Numbers
- ➔ Standard DoD Codes
- ➔ Automated SNUD Registration and Updates
- ➔ I&S Data
- ➔ RIMCS Data
- ➔ Transportation Data
- ➔ SPAADL
- ➔ RSPL

Fuel Hose

Current Catalog Listing Part Number	Ordering Information			
	Bulk Hose		Inside Diameter	Roll Length
	Part Number	H/C		
95001-35-2	95001-35003-20M	2380533	3.5 mm	3M (9.9ft)
95001-35-3	95001-35003-40M	2380541	3.5 mm	3M (9.9ft)
95001-4-3	95001-75003-20M	2380558	4.5 mm	3M (9.9ft)
95001-4-3-3	95001-75003-20M	2324986	4.5 mm	8M (26.4ft)
95001-4-3-3	95001-75003-20M	2380566	4.5 mm	8M (26.4ft)
95001-5-3	95001-75003-20M	2380566	4.5 mm	8M (26.4ft)
95001-53	95001-75003-20M	2380566	5.3 mm	8M (26.4ft)
95001-53	95001-75003-20M	2380566	5.3 mm	8M (26.4ft)
95001-55	95001-75003-20M	2380566	5.3 mm	8M (26.4ft)
95001-55	95001-75003-20M	2380566	5.3 mm	8M (26.4ft)
95001-73	95001-73003-30M	25041	7.3 mm	3M (9.9ft)
95001-75	95001-75003-20M	2385094	7.3 mm	3M (9.9ft)
95001-75	95001-75003-30M	2385904	7.3 mm	3M (9.9ft)



# ALMSS Capabilities



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## **Military Standard (MILS) Compliant**

- ➔ Wholesale/Retail Capability
- ➔ SBSS
- ➔ Other DoD Systems
- ➔ MILSTRIP
- ➔ MILSTRAP
- ➔ RAMPS
- ➔ IRA on file at SSG

## **Requisition Processing**

- ➔ Requisitions
- ➔ Status
- ➔ Follow-ups
- ➔ Cancellations
- ➔ Modifiers
- ➔ Material Obligation Validation Reconciliations
- ➔ Exception Processing
- ➔ Online or via DAAS





# ALMSS Capabilities



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## Funds Management

- Provides Data for CFO
- Funding Targets
- Tracks Obligations & Expenditures
- Supports Multiple Funding Accounts (i.e. Air, Ground, Global Hawk, OSHRUB, etc.)
- Real Time Updates
- Requisition Exception Processing (priority, dollar value, quantity, etc.)





# ALMSS Capabilities



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## **Procurement**

- ➔ Purchase Requests (Buys/Repairs)
- ➔ Purchase Directives
- ➔ Work Orders
- ➔ Price History Data

## **Requirements Computations**

- ➔ Forecasting (Buys/Repairs)
- ➔ Past Usage & Consumption Data (Demands)
- ➔ Reparable Generations
- ➔ Additives
- ➔ Flight Hours
- ➔ Equipment Months
- ➔ “What If” Scenarios
- ➔ Computation Logic
  - Reparables
  - Consumables





# ALMSS Capabilities



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## **Receiving**

- ➔ Full, Partial, Overage, Short, Unplanned
- ➔ Automatic Release/Binning/Disposal

## **Storage**

- ➔ Warehouse Validations
- ➔ Depot and Contractors
- ➔ Inventory Functions
- ➔ Inspection Functions

## **Shipping**

- ➔ Automatic Releases
- ➔ Directed Shipments
- ➔ Assets shipped from Depot or Contractor Facilities
- ➔ DD Form 1348-1As (MIL-STD-129P Compliant)
- ➔ Classified Sterile Shippers
- ➔ Exception Processing

## **Transportation**

- ➔ TCN Data
- ➔ Consolidated Shipments
- ➔ Feeds AS1 Status to SBSS
- ➔ Intransit Visibility
- ➔ Links to FedEx and UPS







# ALMSS Capabilities



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## Auditable Documents

- ➔ Integrated Optical Imaging System
- ➔ Automatic suspense clearing, document indexing capability
- ➔ All users can view, save, print documents

## Bar Code

- ➔ Printed Products
  - DD Form 1348-1As
  - Property Labels
  - Bin Labels
  - Sterile Shippers
- ➔ Processes Supported
  - Receiving
  - Warehouse Validations
  - Inventories
  - Identity Changes
  - Condition Changes
  - Location Updates
- ➔ Radio Frequency Hand Held Terminals





# ALMSS Capabilities



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## Special Items Handling

- Hazardous
- Classified
- Demilitarization
- Precious Metals
- Electrostatic Discharge
- Shelf Life Management
- MDR/QDR
- Reusable Containers
- Special Packaging
- Serialized Control
- Material Suspect Receipts





# ALMSS Capabilities



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## Asset Distribution

- ➔ Directed Spares List
- ➔ Adjusted Stock Levels
  - Passes 1F3s and FILs to SBSS
  - Validations On Demand
- ➔ Special List of Equipment
- ➔ Equipment Change Requests
- ➔ Readiness Spares Kits (RSPs)
- ➔ Material Returns (Excess)
- ➔ Redistribution/Referral Orders
- ➔ Feeds RIMCS Data to SBSS

## Visibility & Reporting

- ➔ Weapon System Support Lists
- ➔ Authorized Stock Levels
- ➔ Stock Availability (Demands, Contractors & Bases)
- ➔ Asset Intransit Visibility (FedEx, UPS, etc.)
- ➔ Customer Requisition Status
- ➔ Supplier Due-In Status
- ➔ Transaction History
- ➔ Asset Tracking (17 Year History)
- ➔ TRACKER (DAAS Transactions)
- ➔ Standard Reports/Ad Hoc Queries
- ➔ Electronic Report Distribution
- ➔ Powerful Transactional Analysis
- ➔ Potential Critical Item Visibility





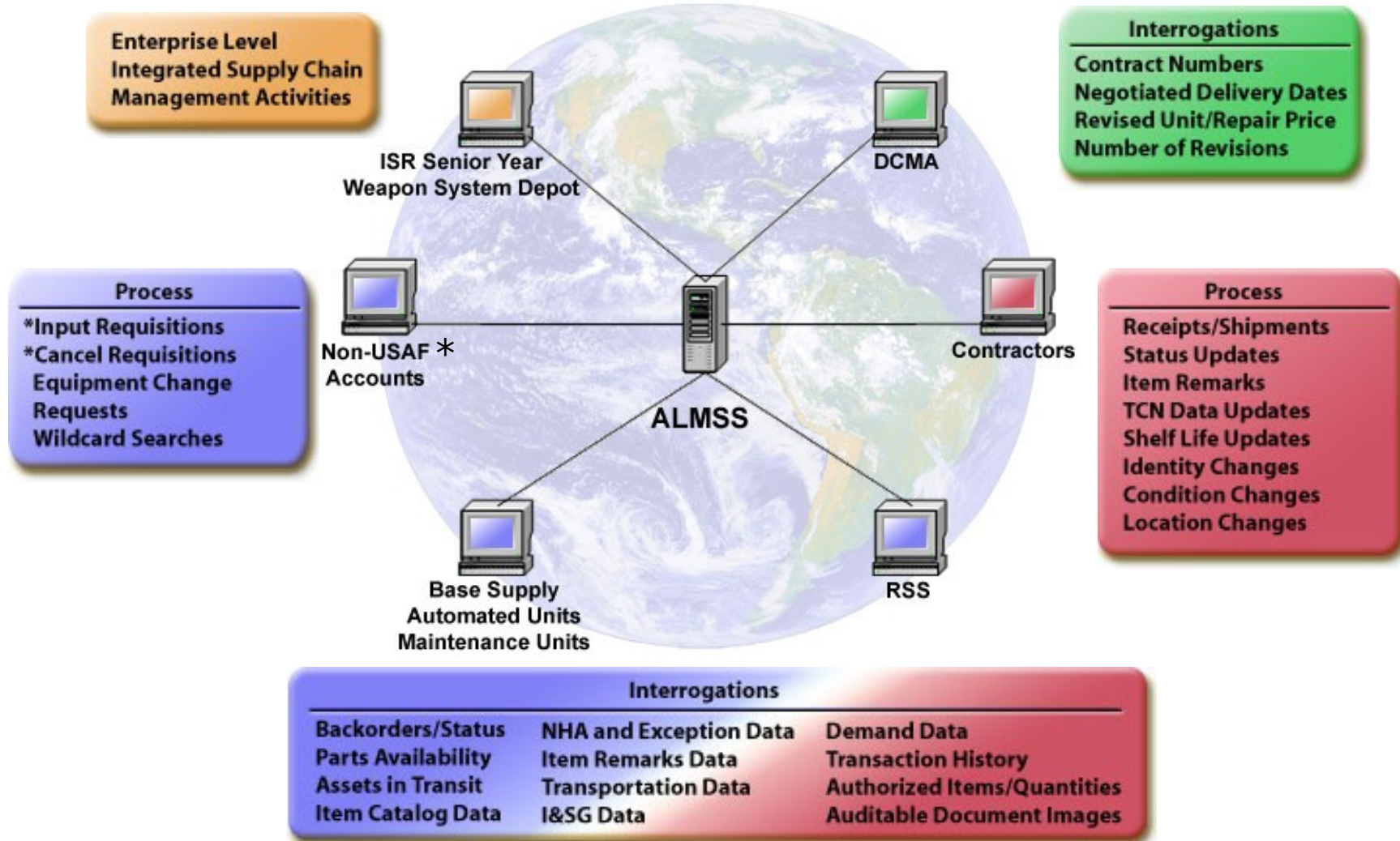


# ALMSS

## Web Based Functionality



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# ALMSS

## Transactional Interfaces

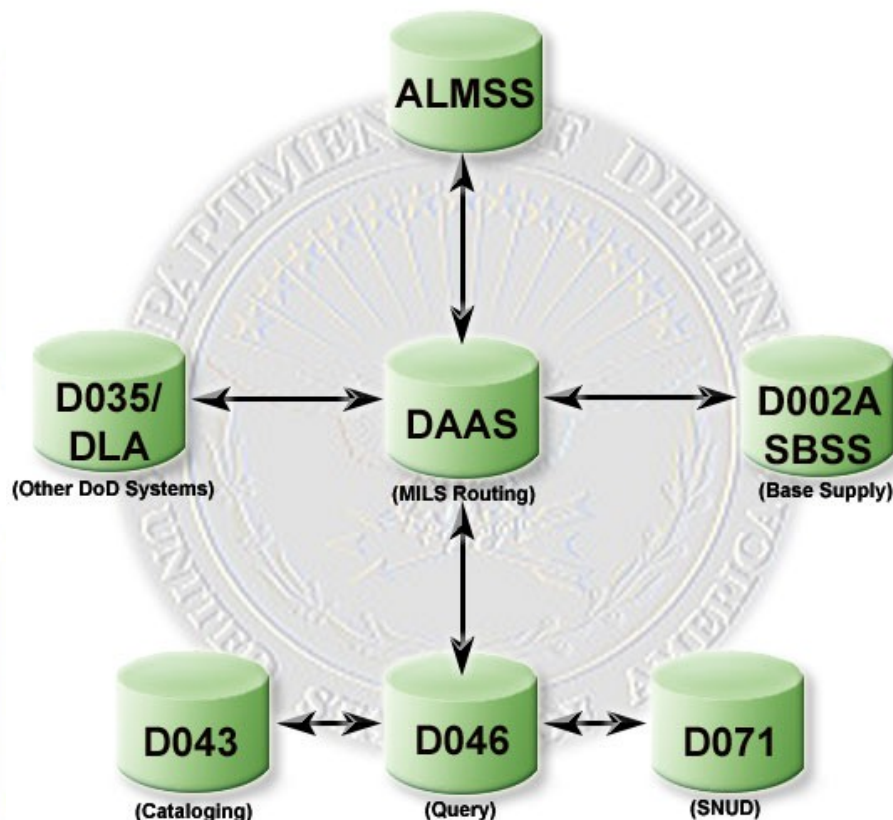
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**ALMSS to D035/DLA**

- Requisitions
- Modifiers
- Cancellation Requests
- Follow-ups
- Shipment Status
- Excess Reports
- MOV Replies

**D035/DLA to ALMSS**

- Requisition Status
- Cancellation Replies
- Excess Replies
- Redistribution Orders
- Shipment Status
- MOV Requests



**ALMSS to D002A (SBSS)**

- Requisition Status
- Cancellation Replies
- Excess Replies
- Redistribution Orders
- Shipment Status
- MOV Requests
- P/N Catalog Data
- P/N Transportation Data
- P/N RIMCS Data

**D002A (SBSS) to ALMSS**

- Requisitions
- Cancellation Requests
- Modifiers
- Follow-ups
- Shipment Status
- Excess Reports
- MOV Replies
- RAMPS Data
- P/N Interrogations

**ALMSS to D046**

- NSN Loads
- Interrogations
- Reconciliations

**D046 to ALMSS**

- Cataloging Data
- I&SG Data
- Transportation Data
- RIMCS Data



# ALMSS

## High-level Architecture



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- ❖ IBM iSeries eServer
- ❖ Extremely scalable platform
- ❖ Web enabled access
- ❖ IBM DB2 relational database
- ❖ Integrated Language Environment
- ❖ Role based user permissions
- ❖ Approved Certification & Accreditation Package
- ❖ Certificate of Networthiness
- ❖ Certificate to Operate
- ❖ Real time database updates visible to all users
- ❖ Contingency processing capability at development site



# ALMSS

## Open System Features



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### IBM DB2 64-bit Relational Database

**Supported industry standards and product-specific interfaces include:**

<b>ODBC</b>	MS® Windows® Database Access Standard
<b>OLE DB</b>	
<b>ADO</b>	MS Windows Information Access Standard
<b>JDBC</b>	MS Windows Information Access Classes
<b>SQLJ</b>	
<b>SQL</b>	Java®-based Database Connectivity
<b>DRDA</b>	Java-based Embedded SQL
<b>CLI</b>	Standard SQL
<b>EDA/SQL</b>	X/Open Distributed Database Standard
<b>DAL</b>	X/Open Database Access Standard
<b>Net.Data</b>	IBM's EDA SQL Standard
	Apple® Relational Database Standard APIs





# ALMSS

## Information Security



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- ❖ IP Filtering
- ❖ SSL 128 bit encryption
- ❖ AFMAN 33-223 Password Compliance
- ❖ Access Controls to individual menu options
- ❖ Contractor Users restricted from other contractors' data
- ❖ Trusted Computing Platform accredited at C2 Level security







# ALMSS

## Additional Features



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### ❖ User Friendly

- ➔ Single Sign-on
- ➔ Standard DoD Terms/Codes
- ➔ Online Screen Tool Tips
- ➔ Online User's Manual
- ➔ Short Learning Curve

### ❖ Process Improvement

- ➔ SEI CMM Level 3 Certified
- ➔ SEI CMMI Level 2 Certified
- ➔ ISO 9001: 2000 Certified

### ❖ COTS Integration

- ➔ Optical Imaging
- ➔ Web Enablement
- ➔ eReports Distribution



Single Sign-on

Online User Manual

User Friendly



# Upcoming Initiatives



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- ✦ DLMS Migration
- ✦ Unique Identification (UID)
- ✦ Serial Number Tracking (SNT)
- ✦ Executive Presentation Module



# ALMSS Highlights



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- ✦ Proven, reliable, stock control & distribution system
  - ➔ Automated LEAN agent for many processes
  - ➔ Hardware/software in commission rates exceed 99% scheduled availability
- ✦ Integrated relational database – single sign-on/data integrity
  - ➔ All users worldwide view same data via standard web browser and static IP address
  - ➔ Real-time status & end to end visibility
- ✦ Wholesale/retail capabilities – Depot support transparent to SBSS users
- ✦ Government Owned Software
  - ➔ No license fees outside COTS integrated modules (i.e. optical imaging)
  - ➔ Government drives software changes as desired
  - ➔ Available to other government organizations
- ✦ Contributes to the high availability of ISR Weapon Systems
  - ➔ Supports ISR LDHD Free Issue Environment
  - ➔ Supports ISR 'Special Projects' & 'Manual Accounts'
  - ➔ Providing benefits to the Warfighter NOW
- ✦ Quick turn around on software fixes
  - ➔ Average less than fourteen days





ALMSS ONLINE





# Capabilities to be Demonstrated



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- ✦ Main Menu Overview
- ✦ Interrogations
- ✦ Optical Imaging
- ✦ File Maintenance
- ✦ Funds Tracking
- ✦ Computations
- ✦ Field Unit Capabilities
- ✦ Contractor Capabilities






# Item Record Data Inquiry



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Home Menu Files Print Sign Off

MAFM01 ITEM RECORD DATA INQUIRY

Item Record

NHA/QPA

Exception Data

Remarks

Item Number : BW-1252-4

ND Number : 1377ND188467W

Page 1

Page 2

Page 3

Page 4

Page 5

FSC	Raw Part Number	Cage Code	Noun	IM Code
1377	1252-4	32211	TESTER	04

RID:	Y16	SOS:	FZZ	ERRC:	XB3	U/I:	EA	QUP:	1	U/P:	345.00
Demil:	A	CIC:	U	MSI:		SLC:	0	PVC:		LAC:	0.00
B/C:		F/C:		HMIC:		S/L/P:				Carcass:	0.00
PMIC:	A	SFCI:		IMRC:		S/L EXP Date:	NOEXP			LRC:	0.00

RIMCS:	A	TCC:	Z	W/U/C:		Project Code:	
I&S RC:		PEX:		ISG:		Crit Item Code:	
SMR:	PAZZZN	REX:		NPPC:		Freeze Code:	
CRJ Code:		SEX:		S/N Excp:		Acq Adv Code:	
ADPE Code:		EC:	7	FFP:		Phrase Code:	

SAIC

Customer Support 478-926-8235 / DSN 468-8235



# Detail Interrogations



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AUTOMATED LOGISTICS MANAGEMENT SUPPORT SYSTEM

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DETAIL INTERROGATIONS

02/25/04

Files

Clear Screen

Intransit

SRANS

Back

Print

View Left

View Right

Exception Data

Edit

MAIN21

Item Nbr: LG-766526-1 or Document Nbr: Type: O

ND Number RID SOS UI Price IM Slf ERRCD CIC Rvw RX PX SX Frz BC Sn

6605ND090791W F4S FZZ EA 429984.45 16 0 XD2 U 1 S

Noun : INU PIIIA I&S Grp: TCC: Z FFP:

Serviceable TOC Condemned Suspended Reparable

Whs Loc

WR Bal 4 0 0 0 0

CTR Bal 0 0 0 0 0

Date Last Trans 03309 Date Last Inv 99243 Page 1

DUE OUT	Doc #	O-Qty	D-Qty	PY	SG	FC	PRJ	AC	RDD	Dmd	SupAdd
FB458692990149		1	1	06	D		880		777	R	
FB468691800041		1	1	06	D		880		777	R	
FB469493210131		1	1	06	D		880	2D	777	R	
FB486392790203		1	1	06	D		880		777	R	
FB543093300003		1	1	08	D		880		777	R	
SY001783065000		1	1	02	D		205		319	R	ZZZGFP
SY001793363104		2	2	02	D		205		349	R	

PAGE DN FOR MORE DUE OUTS






# SRAN Interrogation



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Home Menu Files Print Clear Screen Process Sign Off

MAIN61

SRAN Interrogations



SRAN:  SupAdd:  Sort by:

Open Date:  Close Date:

SRAN Status/Shipment Results

Due Out Doc Number: FB468601600176

Sfx	Stat	Qty	STAT	EDD	Ship	Qty	Con	Date	TCN	MD
A		2	BA	02248		2	A	00000		
B		1	BA	02248		1	A	00000		

Jump to page: 1 2 3 4 5 6 7 8

Page 01 of 08

Interrogation Results

Due Out Doc Number	Item Number	O-Qty	D-Qty	PY	RDD	PRJ	Dmd	SupAdd	Stat	EDD
FB468600340168	1560ND169516W	1	0	08	777	CTS	R		BA	00062
FB468600611662	5340ND013633W	2	0	05	061		R		BA	02266
FB468601460902	5970ND013110W	1	0	12	777		R		**	*****
FB468601600176	6150ND013324W	1	0	12	777		R		**	*****
FB468601810182	5975ND013498W	1	0	05	777		N	FB4686	BA	03241
FB468602170108	5310ND012887W	6	0	05	777	205		FB4686	BA	01040
FB468602170137	5310ND012004W	15	0	05	224	205	R		**	*****
FB468602420126	1560ND177718W	1	0	05	777	205	R	YBQABW	**	*****
FB468603080019	1660ND134453W	1	0	03	777	CTR	R	YAYABW	BA	01254
FB468603200102	1660ND120462W	2	0	06	777	CTS	R		**	*****
FB468610230093	1660ND113316W	2	0	06	777	CTS	R		**	*****
FB468610269040	9150ND104305W	2	0	02	777	700	R	Y1A719	BA	01029
FB468610330107	1660ND113316W	1	0	06	777	CTS	R		BA	01096
FB468610520128	1660ND113316W	1	0	06	777	CTS	R		BA	01096
FB468610530119	1660ND120466W	1	0	06	777	CTS	R		BA	01107
FB468610680500	1660ND120466W	1	0	06	777	CTS	R		BA	01107
FB468610740078	5995ND078826W	31	0	05	777		R	YBQABW	BA	01074
FB468610740239	1660ND113316W	1	0	06	777	CTS	R		BA	01096
FB468610930273	6130ND068879W	1	0	03	777	CTS	R	YARABW	BA	01113
FB468611360149	5995ND028012W	1	0	06	777	880	R		BA	01137
FB468611570200	6710ND010411W	1	0	08	777	880	R		BA	01158
FB468611660080	1560ND088344W	1	0	08	777	780	R		BA	01169
FB468611670020	5995ND013220W	1	0	08	777	780	R		BA	01169

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# Location ID Report

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### SELECTION CRITERIA FOR LOCATION ID REPORT

Files

Process

Clear Screen

Back

Edit

MASL43

E-DSL and SLOE

1 - Item Number sequence




02/25/04		SITES SELECTED FOR LISTING ARE AS FOLLOWS:					PAGE: 1	
		9MS						
		SELECT SITES LISTING (MSSR47) by ITEM NUMBER						
		(DSL)						
		LOCATION ID: 9MS						
		SRAN: FB4686						
		UI ERC COST AUTH IND PS QTY						
		NOUN						
ASL3		1370ND177066W	TEST3-ASL	HD N	100.00	D	1AC	1
						D	1AD	1
BJF		1377ND175965W	PUMP	EA N	1000.00	D	01TEST	2
RAW PN - GDM2038								
		END OF LISTING FOR 9MS						
		END OF SELECT SITES LISTING						





# Transportation Shipment Suspense Interrogation




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[Home](#) | [Menu](#) | [Files](#) | [Clear](#)

MATD30



Package / Envelope Services

Freight Services

Same Day Services

Ship

Track

Rates

Pickup

Locations

Transit Time

International Tools

[United States Home](#) | [Information Center](#) | [Customer Support](#) | [Site Map](#)

[Printable Version](#) [Quick Help](#)

Tracking number

Signed for by

Ship date

Delivery date/time

613648076480

B.HARWOOD

Oct 24, 2003

Oct 27, 2003 10:01 am

Reference number

Delivery location

Service type

FM468630346004C

BEALE A F B CA

Priority Overnight

Date/time	Status	Location	Comments
Oct 27, 2003 10:01 am	Delivered	BEALE A F B CA	

Signature proof

Track more shipments

Email your detailed tracking results (optional)  
Enter your email, submit up to three email addresses (separated by commas), add your message (optional), and click **Send email**.  

From

To

Add a message to this email.

You can also track:

- [By Alternate Reference](#)
- [By Email](#)
- [TCN \(Gov't Shippers\)](#)

Track other FedEx services

- [FedEx Custom Critical shipments](#)
- [FedEx Trade Networks shipments](#)
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